

NOTICE OF THE PRELIMINARY DECISION TO ISSUE
AN INDIVIDUAL INDUSTRIAL RECLAIMED WATER PERMIT

Public Notice No.: 05-09

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Pursuant to Arizona Administrative Code, Title 18, Chapter 9, Article 1, the Director of the Arizona Department of Environmental Quality intends to issue an Individual Industrial Reclaimed Water Permit to the following applicant(s):

Facility Name: **Sundance Power Plant**

Permittee: Arizona Public Service Company
400 North Fifth Street, P.O. Box 53999
Phoenix, Arizona 85072-53999

The Sundance Power Plant is located approximately five miles southwest of the City of Coolidge, Arizona, in Pinal County at 32°55'41" North Latitude and 111°35'13" West Longitude, in Township 6 South, Range 7 East, Section 2 of the Gila River and Salt River Baseline and Meridian. The Sundance Power Plant consists of a nominal 540 megawatt (MW) natural gas-fired, simple cycle peaking generating facility

Water originating from the Central Arizona Project (CAP) will undergo pretreatment using on-site reverse osmosis (RO) facilities to lower the total dissolved solids (TDS) prior to final treatment by demineralization units. Wastewater from this pretreatment, treated effluent from the oil/water separator, and spray mist evaporation cooler system (SMEC) will then be temporarily stored in an RO water collection pond, which has a total storage capacity of 13.12 million gallons. This pond is regulated under Aquifer Protection Permit (APP) No. 502451.

The subject of this permit is the use of industrial reclaimed water from the RO Water Collection Pond for irrigation of crops. The crops to be grown at the reuse site include alfalfa, wheat, feed corn, cotton and barley. The industrial reclaimed water must meet the Aquifer Water Quality Standards for selected metals, volatile organic compounds, and safe-drinking water inorganics. Sundance Power Plant is authorized to use industrial reclaimed water as stated in Section 2.0 of this permit subject to the limitations and monitoring requirements specified in APP No. 502451 and this permit. Industrial reclaimed water monitoring shall be performed on a routine basis as indicated in Table 2 of APP No. 502451.

The draft permit and related documentation are available for public review, Monday through Friday, 8:30 a.m. to 4:30 p.m., at ADEQ, 1110 West Washington Street, Records Management Center, Phoenix, Arizona, 85007. In Phoenix, please call (602)771-4380 or e-mail RecordsCenter@azdeq.gov 24 hours in advance to schedule an appointment to review the file.

Persons may submit comments or request a public hearing on the proposed action, in writing, to Kathryn E. Boland, Project Manager, ADEQ, Groundwater Section, 1110 West Washington Street, MC5415B-3, Phoenix, AZ 85007 within thirty (30) days from the date of this notice. A public hearing request must include the reasons for such request.